

CRF Errors Corrected by the STIC Systems Branch

HPOIPE 0590
0508

Serial Number: 09/806/185A

CRF Processing Date: 5/16/2002
Edited by: [Signature]
Verified by: [Signature] (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII.
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Seq 37 - inserted '37' at end of (2) INFO. FOR SEQ ID NO:
Leading

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING

DATE: 05/16/2002

PATENT APPLICATION: US/09/801,185A

TIME: 19:08:26

Input Set : N:\Cr3\05072002\I801185A.raw.txt

Output Set: N:\CRF3\05162002\I801185A.raw

SEQUENCE LISTING

```

1 (1) GENERAL INFORMATION:
2   (i) APPLICANT: BASF Aktiengesellschaft
3   (ii) TITLE OF INVENTION: Human Antibodies that Bind Human TNFalpha
4   (iii) NUMBER OF SEQUENCES: 37
5   (iv) CORRESPONDENCE ADDRESS:
6       (A) ADDRESSEE: LAHIVE & COCKFIELD
7       (B) STREET: 28 State Street
8       (C) CITY: Boston
9       (D) STATE: Massachusetts
10      (E) COUNTRY: USA
11      (F) ZIP: 02109
12   (v) COMPUTER READABLE FORM:
13       (A) MEDIUM TYPE: Floppy disk
14       (B) COMPUTER: IBM PC compatible
15       (C) OPERATING SYSTEM: PC-DOS/MS-DOS
16       (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
17   (vi) CURRENT APPLICATION DATA:
C--> 18       (A) APPLICATION NUMBER: US/09/801,185A
C--> 19       (B) FILING DATE: 07-Mar-2001
20       (C) CLASSIFICATION:
21   (vii) PRIOR APPLICATION DATA:
22       (A) APPLICATION NUMBER: US 08/599,226
23       (B) FILING DATE: 09-FEB-1996
24       (A) APPLICATION NUMBER: US 60/031,476
25       (B) FILING DATE: 25-NOV-1996
26       (A) APPLICATION NUMBER: US 09/125,098
27       (B) FILING DATE: 07-AUG-1998
28   (viii) ATTORNEY/AGENT INFORMATION:
29       (A) NAME: DeConti, Giulio A., Jr.
30       (B) REGISTRATION NUMBER: 31,503
31       (C) REFERENCE/DOCKET NUMBER: BBI-043CPUSCN
32   (ix) TELECOMMUNICATION INFORMATION:
33       (A) TELEPHONE: (617)227-7400
34       (B) TELEFAX: (617)227-5941
35 (2) INFORMATION FOR SEQ ID NO: 1:
36   (i) SEQUENCE CHARACTERISTICS:
37       (A) LENGTH: 107 amino acids
38       (B) TYPE: amino acid
39       (D) TOPOLOGY: linear
40   (ii) MOLECULE TYPE: peptide
41   (v) FRAGMENT TYPE: internal
42   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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RAW SEQUENCE LISTING

DATE: 05/16/2002

PATENT APPLICATION: US/09/801,185A

TIME: 19:08:26

Input Set : N:\Crf3\05072002\I801185A.raw.txt

Output Set: N:\CRF3\05162002\I801185A.raw

```

43   Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
44   1             5             10             15
45   Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
46             20             25             30
47   Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
48             35             40             45
49   Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50             50             55             60
51   Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
52             65             70             75             80
53   Glu Asp Val Ala Thr Tyr Tyr Cys Gln Arg Tyr Asn Arg Ala Pro Tyr
54             85             90             95
55   Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
56             100             105

```

58 (2) INFORMATION FOR SEQ ID NO: 2:

59 (i) SEQUENCE CHARACTERISTICS:

60 (A) LENGTH: 121 amino acids

61 (B) TYPE: amino acid

62 (D) TOPOLOGY: linear

63 (ii) MOLECULE TYPE: peptide

64 (v) FRAGMENT TYPE: internal

65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

```

66   Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
67   1             5             10             15
68   Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
69             20             25             30
70   Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
71             35             40             45
72   Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
73             50             55             60
74   Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
75             65             70             75             80
76   Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
77             85             90             95
78   Ala Lys Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Tyr Trp Gly
79             100             105             110
80   Gln Gly Thr Leu Val Thr Val Ser Ser
81             115             120

```

83 (2) INFORMATION FOR SEQ ID NO: 3:

84 (i) SEQUENCE CHARACTERISTICS:

85 (A) LENGTH: 9 amino acids

86 (B) TYPE: amino acid

87 (D) TOPOLOGY: linear

88 (ii) MOLECULE TYPE: peptide

89 (v) FRAGMENT TYPE: internal

90 (ix) FEATURE:

91 (A) NAME/KEY: Modified-site

92 (B) LOCATION: 9

93 (D) OTHER INFORMATION: /note= "Xaa is Thr or Ala"

RAW SEQUENCE LISTING

DATE: 05/16/2002

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TIME: 19:08:26

Input Set : N:\Crf3\05072002\I801185A.raw.txt

Output Set: N:\CRF3\05162002\I801185A.raw

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94      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 95      Gln Arg Tyr Asn Arg Ala Pro Tyr Xaa
96          1          5
98 (2) INFORMATION FOR SEQ ID NO: 4:
99      (i) SEQUENCE CHARACTERISTICS:
100          (A) LENGTH: 12 amino acids
101          (B) TYPE: amino acid
102          (D) TOPOLOGY: linear
103      (ii) MOLECULE TYPE: peptide
104      (v) FRAGMENT TYPE: internal
105      (ix) FEATURE:
106          (A) NAME/KEY: Modified-site
107          (B) LOCATION: 12
108          (D) OTHER INFORMATION: /note= "Xaa is Tyr or Asn"
109      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 110      Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Xaa
111          1          5          10
113 (2) INFORMATION FOR SEQ ID NO: 5:
114      (i) SEQUENCE CHARACTERISTICS:
115          (A) LENGTH: 7 amino acids
116          (B) TYPE: amino acid
117          (D) TOPOLOGY: linear
118      (ii) MOLECULE TYPE: peptide
119      (v) FRAGMENT TYPE: internal
120      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
121          Ala Ala Ser Thr Leu Gln Ser
122          1          5
124 (2) INFORMATION FOR SEQ ID NO: 6:
125      (i) SEQUENCE CHARACTERISTICS:
126          (A) LENGTH: 17 amino acids
127          (B) TYPE: amino acid
128          (D) TOPOLOGY: linear
129      (ii) MOLECULE TYPE: peptide
130      (v) FRAGMENT TYPE: internal
131      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
132          Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val Glu
133          1          5          10          15
134          Gly
136 (2) INFORMATION FOR SEQ ID NO: 7:
137      (i) SEQUENCE CHARACTERISTICS:
138          (A) LENGTH: 11 amino acids
139          (B) TYPE: amino acid
140          (D) TOPOLOGY: linear
141      (ii) MOLECULE TYPE: peptide
142      (v) FRAGMENT TYPE: internal
143      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
144          Arg Ala Ser Gln Gly Ile Arg Asn Tyr Leu Ala
145          1          5          10
147 (2) INFORMATION FOR SEQ ID NO: 8:

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RAW SEQUENCE LISTING

DATE: 05/16/2002

PATENT APPLICATION: US/09/801,185A

TIME: 19:08:26

Input Set : N:\Crf3\05072002\I801185A.raw.txt

Output Set: N:\CRF3\05162002\I801185A.raw

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148      (i) SEQUENCE CHARACTERISTICS:
149          (A) LENGTH: 5 amino acids
150          (B) TYPE: amino acid
151          (D) TOPOLOGY: linear
152      (ii) MOLECULE TYPE: peptide
153      (v) FRAGMENT TYPE: internal
154      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
155          Asp Tyr Ala Met His
156             1           5
158 (2) INFORMATION FOR SEQ ID NO: 9:
159      (i) SEQUENCE CHARACTERISTICS:
160          (A) LENGTH: 107 amino acids
161          (B) TYPE: amino acid
162          (D) TOPOLOGY: linear
163      (ii) MOLECULE TYPE: peptide
164      (v) FRAGMENT TYPE: internal
165      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
166          Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Ile Gly
167             1           5           10           15
168          Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
169             20           25           30
170          Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
171             35           40           45
172          Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
173             50           55           60
174          Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
175             65           70           75           80
176          Glu Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Tyr
177             85           90           95
178          Ala Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
179             100          105
181 (2) INFORMATION FOR SEQ ID NO: 10:
182      (i) SEQUENCE CHARACTERISTICS:
183          (A) LENGTH: 121 amino acids
184          (B) TYPE: amino acid
185          (D) TOPOLOGY: linear
186      (ii) MOLECULE TYPE: peptide
187      (v) FRAGMENT TYPE: internal
188      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
189          Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
190             1           5           10           15
191          Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
192             20           25           30
193          Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Asp Trp Val
194             35           40           45
195          Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
196             50           55           60
197          Glu Gly Arg Phe Ala Val Ser Arg Asp Asn Ala Lys Asn Ala Leu Tyr
198             65           70           75           80

```

RAW SEQUENCE LISTING

DATE: 05/16/2002

PATENT APPLICATION: US/09/801,185A

TIME: 19:08:26

Input Set : N:\Crif3\05072002\I801185A.raw.txt

Output Set: N:\CRF3\05162002\I801185A.raw

```

199      Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
200                      85                      90                      95
201      Thr Lys Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Asn Trp Gly
202                      100                      105                      110
203      Gln Gly Thr Leu Val Thr Val Ser Ser
204                      115                      120

```

206 (2) INFORMATION FOR SEQ ID NO: 11:

207 (i) SEQUENCE CHARACTERISTICS:

208 (A) LENGTH: 9 amino acids

209 (B) TYPE: amino acid

210 (D) TOPOLOGY: linear

211 (ii) MOLECULE TYPE: peptide

212 (v) FRAGMENT TYPE: internal

213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

214 Gln Lys Tyr Asn Ser Ala Pro Tyr Ala

215 1 5

217 (2) INFORMATION FOR SEQ ID NO: 12:

218 (i) SEQUENCE CHARACTERISTICS:

219 (A) LENGTH: 9 amino acids

220 (B) TYPE: amino acid

221 (D) TOPOLOGY: linear

222 (ii) MOLECULE TYPE: peptide

223 (v) FRAGMENT TYPE: internal

224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

225 Gln Lys Tyr Asn Arg Ala Pro Tyr Ala

226 1 5

228 (2) INFORMATION FOR SEQ ID NO: 13:

229 (i) SEQUENCE CHARACTERISTICS:

230 (A) LENGTH: 9 amino acids

231 (B) TYPE: amino acid

232 (D) TOPOLOGY: linear

233 (ii) MOLECULE TYPE: peptide

234 (v) FRAGMENT TYPE: internal

235 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

236 Gln Lys Tyr Gln Arg Ala Pro Tyr Thr

237 1 5

239 (2) INFORMATION FOR SEQ ID NO: 14:

240 (i) SEQUENCE CHARACTERISTICS:

241 (A) LENGTH: 9 amino acids

242 (B) TYPE: amino acid

243 (D) TOPOLOGY: linear

244 (ii) MOLECULE TYPE: peptide

245 (v) FRAGMENT TYPE: internal

246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

247 Gln Lys Tyr Ser Ser Ala Pro Tyr Thr

248 1 5

250 (2) INFORMATION FOR SEQ ID NO: 15:

251 (i) SEQUENCE CHARACTERISTICS:

252 (A) LENGTH: 9 amino acids



OIPE

RAW SEQUENCE LISTING

DATE: 05/16/2002

PATENT APPLICATION: US/09/801,185A

TIME: 18:59:57

Input Set : N:\Crf3\05072002\I801185A.raw

Output Set: N:\CRF3\05162002\I801185A.raw

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

1 (1) GENERAL INFORMATION:

2 (i) APPLICANT: BASF Aktiengesellschaft

3 (ii) TITLE OF INVENTION: Human Antibodies that Bind Human TNFalpha

4 (iii) NUMBER OF SEQUENCES: 37

5 (iv) CORRESPONDENCE ADDRESS:

6 (A) ADDRESSEE: LAHIVE & COCKFIELD

7 (B) STREET: 28 State Street

8 (C) CITY: Boston

9 (D) STATE: Massachusetts

10 (E) COUNTRY: USA

11 (F) ZIP: 02109

12 (v) COMPUTER READABLE FORM:

13 (A) MEDIUM TYPE: Floppy disk

14 (B) COMPUTER: IBM PC compatible

15 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

16 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

17 (vi) CURRENT APPLICATION DATA:

C--> 18 (A) APPLICATION NUMBER: US/09/801,185A

C--> 19 (B) FILING DATE: 07-Mar-2001

20 (C) CLASSIFICATION:

21 (vii) PRIOR APPLICATION DATA:

22 (A) APPLICATION NUMBER: US 08/599,226

23 (B) FILING DATE: 09-FEB-1996

24 (A) APPLICATION NUMBER: US 60/031,476

25 (B) FILING DATE: 25-NOV-1996

26 (A) APPLICATION NUMBER: US 09/125,098

27 (B) FILING DATE: 07-AUG-1998

28 (viii) ATTORNEY/AGENT INFORMATION:

29 (A) NAME: DeConti, Giulio A., Jr.

30 (B) REGISTRATION NUMBER: 31,503

31 (C) REFERENCE/DOCKET NUMBER: BBI-043CPUSCN

32 (ix) TELECOMMUNICATION INFORMATION:

33 (A) TELEPHONE: (617)227-7400

34 (B) TELEFAX: (617)227-5941

ERRORED SEQUENCES

E--> 496 (2) INFORMATION FOR SEQ ID NO: 37: *← insert*

497 (i) SEQUENCE CHARACTERISTICS:

498 (A) LENGTH: 363 base pairs

499 (B) TYPE: nucleic acid

RAW SEQUENCE LISTING

DATE: 05/16/2002

PATENT APPLICATION: US/09/801,185A

TIME: 18:59:57

Input Set : N:\Crf3\05072002\I801185A.raw

Output Set: N:\CRF3\05162002\I801185A.raw

500 (C) STRANDEDNESS: double

501 (D) TOPOLOGY: linear

502 (ii) MOLECULE TYPE: cDNA

OK> 503 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 37:

504	GAGGTGCAGC TGGTGGAGTC TGGGGGAGGC TTGGTACAGC CCGGCAGGTC CCTGAGACTC	60
505	TCCTGTGCGG CCTCTGGATT CACCTTTGAT GATTATGCCA TGCACTGGGT CCGGCAAGCT	120
506	CCAGGGAAGG GCCTGGAATG GGTCTCAGCT ATCACTTGGA ATAGTGGTCA CATAGACTAT	180
507	GCGGACTCTG TGGAGGGCCG ATTCACCATC TCCAGAGACA ACGCCAAGAA CTCCCTGTAT	240
508	CTGCAAATGA ACAGTCTGAG AGCTGAGGAT ACGGCCGTAT ATTACTGTGC GAAAGTCTCG	300
509	TACCTTAGCA CCGCGTCCTC CCTTGACTAT TGGGGCCAAG GTACCCTGGT CACCGTCTCG	360
510	AGT	363

VERIFICATION SUMMARY

DATE: 05/16/2002

PATENT APPLICATION: US/09/801,185A

TIME: 18:59:58

Input Set : N:\Crf3\05072002\I801185A.raw

Output Set: N:\CRF3\05162002\I801185A.raw

L:18 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:19 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:496 M:202 E: (16) Value must be an Integer, Data=[]
L:503 M:212 E: (34) Invalid or duplicate Sequence ID Number, Data=[37:]